The Delphion Integrated View

Title: **JP2001224553A2: IMAGING INSTRUMENT FOR CAPUSLE ENDOSCOPE**

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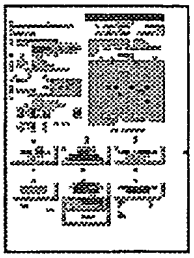

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Abstract:

PROBLEM TO BE SOLVED: To provide a small-sized imaging instrument for capsule endoscope with small power consumption.

SOLUTION: This imaging device for capsule endoscope comprises a lighting means for lighting a subject part within a body cavity, an image sensor having a photoelectric converting means for photoelectrically converting the subject light to a signal charge and accumulating it and a scanning means for scanning and reading the accumulated signal charge, which outputs the image signal read by the scanning means, a signal processing means for processing the image signal, a transmitting means for wirelessly transmitting the signal charge accumulated by the image sensor as image signal, and a power supplying means for supplying power, all of which means are provided within a sealed capsule. The device alternately repeats a lighting cycle of setting the power supply at least to the lighting means ON to accumulate the signal charge in the image sensor; and a transmitting cycle of setting the power supply to at least the scanning means of the image sensor, the signal processing means and the transmitting means ON to transmit the image signal.

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